AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (*Currently Amended*) A lens system comprising:

a positive component~~element~~, positioned in an optical path of incident light, comprising ~~including~~ a first negative lens, a double-convex lens and a holographic ~~hologram~~ optical element, respectively; and

a second negative lens ~~element,~~ positioned in the optical path~~, including a second negative lens~~.

2. (*Currently Amended*) The lens system of claim 1, wherein the holographic ~~hologram~~ optical element is disposed ~~formed~~ on at least one surface of the first negative lens and the double-convex lens comprising ~~constituting~~ the positive component~~element~~.

3. (*Original*) The lens system of claim 1, wherein the first negative lens is made of polycarbonate.

4. (*Currently Amended*) The lens system of claim 1, wherein the first negative lens has a magnifying ~~focal~~ power ranging from 0.1 to 0.2.

5. (*Original*) The lens system of claim 1, wherein the second negative lens is made of polystyrene.

6. (*Currently Amended*) The lens system of claim 1, wherein the second negative lens has a magnifying ~~focal~~ power ranging from 0.5 to 0.7.

7. (*Currently Amended*) The lens system of claim 1, wherein at least one of the first negative lens, the double-convex lens and the second negative lens has at least one aspheric surface.

8. (*Currently Amended*) A lens system comprising:

a positive component~~element~~, positioned in an optical path of incident light, comprising ~~including~~ a positive lens, a double-convex lens and a holographic ~~hologram~~ optical element, respectively; ~~and~~

a negative lens ~~element,~~ positioned in the optical path~~, including a negative lens~~.

9. (*Currently Amended*) The lens system of claim 8, wherein the holographic ~~hologram~~ optical element is disposed ~~formed~~ on at least one surface of the positive lens and the double-convex lens comprising ~~constituting~~ the positive component~~element~~.

10. (*Currently Amended*) The lens system of claim 8, wherein the positive lens in the form of a meniscus is made of acryl material.

11. (*Original*) The lens system of claim 8, wherein the positive lens is positioned at a distance of 0.15 to 0.25 times a focal length of the lens system from an object imaged by said lens system.

12. (*Original*) The lens system of claim 8, wherein the negative lens is made of polystyrene.

13. (*Currently Amended*) The lens system of claim 8, wherein the negative lens has a magnifying ~~focal~~ power ranging from 0.2 to 0.3.

14. (*Currently Amended*) The lens system of claim 8, further comprising an auxiliary element, which is a double-convex lens, positioned in the ~~an~~ optical path between the positive component ~~element~~ and the negative lens~~element~~.

15. (*Currently Amended*) The lens system of claim 14, wherein the auxiliary element is made of acryl material.

16. (*Currently Amended*) The lens system of claim 8, wherein the holographic ~~hologram~~ optical element has a magnifying ~~focal~~ power ranging from 0.01 to 0.1.

17. (*Currently Amended*) The lens system of claim 8, wherein the holographic ~~hologram~~ optical element has a phase profile V_H defined by the following equation:

$$V_H = A_1 y^2 + A_2 y^4 + A_3 y^6$$

where A_1 is a coefficient that is proportional to a magnifying ~~focal~~ power of the holographic ~~hologram~~ optical element, A_2 is a coefficient that is proportional to spherical aberration caused by the positive component~~element~~, A_3 is a coefficient that is proportional to spherical aberration caused by the negative lens~~element~~, and y is the distance from an optical axis of the lens system measured at right angle to the optical axis.

18. (*Currently Amended*) The lens system of claim 8, wherein the ~~convex lens is a~~ double-convex lens ~~and~~ is made of acryl material.

19. (*Currently Amended*) The lens system of claim 8, wherein the double-convex lens has a magnifying ~~focal~~ power ranging from 0.35 to 0.4.

20. (*Currently Amended*) An objective lens system for imaging a light from an object, the objective lens system comprising:

a lens system comprising~~including~~:

a positive component~~element~~, positioned in an optical path of the light from the object, comprising ~~including~~ a first negative lens, a double-convex lens and a holographic ~~hologram~~ optical element, respectively; and

a second negative lens ~~element,~~ positioned in the optical path after the positive component~~, including a second negative lens~~.

21. (*Currently Amended*) An objective lens system for imaging a light from an object, the objective lens system comprising:

a lens system comprising~~including~~:

a positive component~~element~~, positioned in an optical path of the light, comprising ~~including~~ a positive lens, a double-convex lens and a holographic ~~hologram~~ optical element, respectively; and

a negative lens ~~element,~~ positioned in the optical path after the positive component~~, including a negative lens~~.

22. (*Currently Amended*) An optical projection system for projecting a light emitted from an optical light source on a screen, the optical projection system comprising:

a lens system comprising~~including~~:

a positive component~~element~~, positioned in an optical path of the light, comprising ~~including~~ a first negative lens, a double-convex lens and a holographic ~~hologram~~ optical element; and

a second negative lens ~~element,~~ positioned in the optical path before the positive component~~element, including a second negative lens~~; and

a coupler configured to connect the optical light source to the lens system.

23. (*Currently Amended*) An optical projection system for projecting a light emitted from an optical light source on a screen, the optical projection system comprising:

a lens system comprising~~including~~:

a positive component~~element~~, positioned in an optical path of the light, comprising ~~including~~ a positive lens, a double-convex lens and a holographic ~~hologram~~ optical element; ~~and~~

a negative lens ~~element,~~ positioned in the optical path before the positive component~~element, including a negative lens~~; and

a coupler configured to connect the optical light source to the lens system.